

**AIRFRAME MOUNTED ACCESSORY DRIVE (AMAD) POWER TAKE-OFF
SHAFT AUXILIARY POWER GENERATION**

ABSTRACT OF THE DISCLOSURE

5

In an aircraft having an engine and an AMAD, a power take off shaft is rotationally connected to the engine, and the power take off shaft provides rotational power from the engine. A power producing device having an internal shaft is provided for producing additional auxiliary power. The power producing
10 device may be an electrical generator with an internal shaft rotationally connected to the power take off shaft. The electrical generator converts one portion of the rotational power to additional electrical power; and fits in a pre-existing unused space within the aircraft, located between the engine and the AMAD. An output shaft is rotationally connected to the power take off shaft and
15 rotationally connects to the AMAD to provide another portion of the rotational power to the AMAD. Additional electrical power generation is produced without modification to the engine, AMAD, or existing electrical generators.